

AMENDMENT TO THE CLAIMS

1-31. (Canceled)

32. (Previously Presented) A computer-readable medium having computer-executable instructions for performing steps comprising:
accessing a noisy signal feature vector;
accessing at least one distribution of training feature vectors;
determining a variance for the noisy signal feature vector, comprising:
applying feature vectors to a function to produce a calculated noisy signal feature vector;
accessing an observed noisy signal feature vector;
and
comparing the calculated noisy signal feature vector to the observed noisy signal feature vector to produce the variance for the noisy signal feature vector; and
identifying a clean signal feature vector from the noisy signal feature vector, the distribution of training feature vectors and the variance for the noisy signal feature vector.

33. (Original) The computer-readable medium of claim 32 wherein determining a variance for the noisy signal feature vector comprises determining the variance from a closed-form expression.

34. (Canceled)

35. (Previously Presented) The computer-readable medium of claim 32 wherein the feature vectors applied to the function to produce the calculated noisy signal feature vector comprise at

least one clean signal feature vector and at least one obscuring signal feature vector.

36. (Original) The computer-readable medium of claim 35 wherein the at least one obscuring signal feature vector comprises a noise signal feature vector that is generated from a noise signal.

37. (Original) The computer-readable medium of claim 35 wherein the at least one obscuring signal feature vector comprises a channel distortion feature vector.

38. (Original) The computer-readable medium of claim 37 wherein the at least one obscuring signal feature vector further comprises a noise signal feature vector that is generated from a noise signal.

39. (Original) The computer-readable medium of claim 37 wherein the at least one obscuring signal feature vector comprises a first channel distortion feature vector associated with a first channel and a second channel distortion feature vector associated with a second channel.

40. (Original) The computer-readable medium of claim 35 wherein the at least one clean signal feature vector comprises at least one clean signal feature vector based on a clean signal from a first source and at least one clean signal feature vector based on a clean signal from a second source.

41-57. (Canceled)